

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-35. (Canceled)

36. (Currently Amended) A printer formatter comprising:

- a processor to perform at least a first print function associated with a print job;
- a system input/output (I/O) associated with the processor to receive an input signal and provide an output signal;
- a formatter controller to perform at least a first formatting function associated with the print job;
- a print server, in communication with the processor, to manage a print queue; and
- a substrate including a microchip comprising ~~having~~ the processor, the system I/O, the formatter controller, and the print server ~~located thereon~~.

37.-38. (Canceled)

39. (Currently Amended) The printer formatter of claim ~~[[38]]~~36 wherein the microchip is configured to function within a printer.

40. (Previously Presented) The printer formatter of claim 36 wherein the system I/O is configured to receive the print job.

41. (Previously Presented) The printer formatter of claim 36 wherein the formatter controller is configured to convert the print job from a first format to a second format.

42. (Previously Presented) The printer formatter of claim 36 wherein the formatter controller is configured to compress the print job.

43. (Previously Presented) The printer formatter of claim 36 wherein the formatter controller is configured to de-compress the print job.

44. (Previously Presented) The printer formatter of claim 36 wherein the system I/O is configured to generate an I/O interrupt in response to receiving the input signal, and the processor is configured to perform an I/O function in response to receiving the I/O interrupt.

45. (Previously Presented) The printer formatter of claim 44 wherein the I/O function includes receiving and storing the print job.

46. (Previously Presented) The printer formatter of claim 44 wherein the I/O function includes providing an indication to the print server that the print job has been received.

47. (Previously Presented) The printer formatter of claim 36 wherein the print server is configured to generate a print server interrupt in response to detecting the print job, and the processor is configured to perform a print server function in response to receiving the print server interrupt.

48. (Previously Presented) The printer formatter of claim 36 wherein the processor is configured to store the print job in the print queue.

49. (Previously Presented) The printer formatter of claim 36 wherein the processor is configured to provide a print job status notification.

50. (Previously Presented) The printer formatter of claim 36 wherein the processor is configured to provide a print job complete notification.

51. (Previously Presented) The printer formatter of claim 36 wherein the processor is configured to provide a print error notification.

52. (Previously Presented) The printer formatter of claim 36 wherein the processor is configured to remove the print job from the print queue in response to a cancel signal.

53.-61. (Cancelled)